
Vivitar®

Vivacam 3935 User Manual



English

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation

Note:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

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TRADEMARK INFORMATION

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READ THIS FIRST

Please start by reading the important messages below first.

1. The bundled driver, software, design, specifications and user's manual that were packaged with the camera are subject to change without notice.
2. The accessories that come with the ViviCam 3935 may vary between regions.
3. For driver updates, refer to our website or contact your dealer.
4. We are not liable whatsoever for any compensation arising from errors in descriptions in this user's manual.

WARNINGS

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⚠ Do not use the camera if it is emitting smoke, unusual odor or noise, becoming unusually hot to be touched, or if it is in any other abnormal state. Operating the camera in any of these circumstances may cause a fire or an electrical shock. Stop using the camera immediately, turn the camera off, and then disconnect the power source (batteries or AC power adapter). (If you are using the AC power adapter from the AC power outlet after you have disconnected the camera.) After checking that smoke is no longer being emitted, contact your dealer or authorized service facility for repairs. Never attempt to repair this camera by yourself, as this is dangerous.

⚠ Do not use the camera if any foreign objects have entered the camera. Turn the camera off, remove the batteries, and then disconnect the power source (batteries or an AC power adapter.) (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Later on contact your dealer or authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

⚠ Do not place the camera in any unstable locations such as on a wobbly table or slopping surface where the camera may fall or tip over and cause damage.

⚠ If the camera has been dropped or if the camera case has been damaged, turn the camera off, and then disconnect the power source (batteries or AC power adapter.) (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Then contact to your dealer or authorized service facility. Do not continue to use the camera as this may cause a fire or an electrical shock.

⚠ Do not expose the camera to moisture and avoid water gets into the camera. Take particular care when using the camera under extreme weather conditions, such as rain or snow, or when operating the camera at the beach or near water. Water in the camera may cause a fire or an electrical shock.

⚠ Do not touch the power plug during a thunderstorm if you are using the AC power adapter. This may cause an electrical shock.

⚠ Do not attempt to modify the camera. This may cause a fire or an electrical shock.

⚠ Do not remove the camera casing. This may cause an electrical shock. Internal inspection, maintenance and repairs should only be carried out by our authorized service facility.

⚠ Do not touch the power plug during a thunderstorm if you are using the AC power adapter. This may cause an electrical shock.

CAUTIONS

- ⊗ Do not place the camera in damp or dusty locations. This may cause a fire or an electrical shock.

- ⊗ Do not place the camera in a location affected by oil fumes or steam, such as near a cooking stove or humidifier. This may cause a fire or an electrical shock.

- ⊗ Do not cover or wrap the camera or the AC power adapter with a cloth or quilt. This may cause heat to build up, distort the case and cause a fire. Always use the camera and its accessories in well-ventilated locations.

- ⊗ Handle the camera carefully and do not bump the camera into any hard object. Handling the camera roughly may cause a malfunction.

- ⊗ Do not move the camera while it is switched on. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have switched off the camera.) Ensure that any connector cords or cables to other devices are disconnected before moving the camera. Failure to do so may damage the cords or cables and cause a fire or an electrical shock.

- ⊗ When leaving the camera unused for long periods, such as during a vacation, always unplug the camera from the power source (batteries or AC power adapter) for safety. (If you are using the AC power adapter, unplug the adapter from the AC power outlet after you have disconnected the camera.) Failure to do so could result in a fire.
-

- ⊗ Do not use batteries other than those specified for use with the camera. The use of unsuitable batteries may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.
-

- ⊗ When fitting batteries into the camera, check the polarity markings on the battery (- and +) to ensure that you insert the battery correctly. Incorrect battery polarity may result in the batteries splitting or leaking and causing a fire, injury, or soiling of the battery compartment.
-

- ⊗ Remove the batteries if the camera will not be used for an extended period of time. The batteries may leak and cause a fire, injury or soiling of the battery compartment. If the batteries leak, clean and wipe the battery compartment carefully and install new batteries. Wash your hands carefully if you touch the battery fluid.
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WARNING: Handling the USB and AV cables on this product may expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.
Wash hands after handling.

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INTRODUCTION

Overview

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Your new ViviCam 3935 delivers high quality, 2560 x 1920 resolution images using a 5.0 Megapixel CCD sensor. Using either the optical viewfinder or the color TFT image LCD display, you can compose images and then examine them in detail. An auto-flash sensor automatically detects the shooting (lighting) conditions and determines whether the flash should be used. This feature helps ensure that your images turn out right.

Secure Digital (SD) Memory Cards store images that you have captured. Even if the ViviCam 3935's power is turned OFF, the images saved on the SD Memory Card are not erased. SD Memory Card can be repeatedly read and written.

In addition to still images, you can record short videos using the movie function. Images you have captured can be downloaded to your computer using the USB cable (A USB driver is required for Win 98) You can enhance and retouch your images on your computer by using the provided editing software, or image editing software you may already own. You may share your images with your friends via e-mail, in a report, or on a website.

Package Contents

Carefully unpack your kit box and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact your dealer.

- | | |
|-------------------|-----------------------------|
| ■ Digital Camera | ■ USB Cable |
| ■ User's Manual | ■ Video Cable |
| ■ Camera Pouch | ■ Lens Strap |
| ■ Software CD-ROM | ■ 2 x AA Alkaline Batteries |
| ■ Camera Strap | |

Common (Optional) Accessories:

- | | |
|------------------|--------------------|
| ■ SD Memory Card | ■ AC Power Adapter |
|------------------|--------------------|

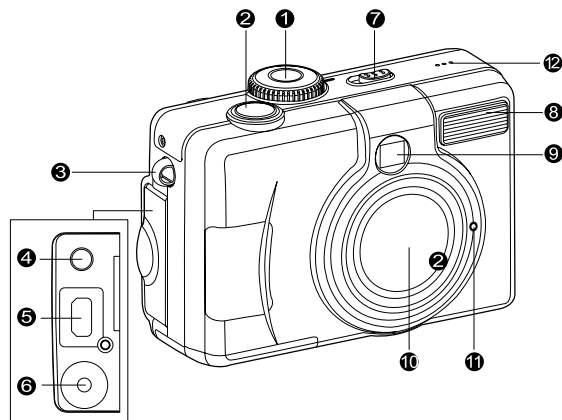


NOTE

The accessories that come with your ViviCam 3935 may be different from those described in this manual due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, AC adapters, memory cards, cables, carrying cases/pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.

GETTING TO KNOW YOUR VIVICAM 3935

Front View



1. Mode dial/movie record button

2. Shutter button

3. Camera strap/ lens strap lug

4. A/V OUT (Audio/Video Out) terminal

5. USB port

6. DC-in connector

7. Power switch

8. Flash

9. Viewfinder window

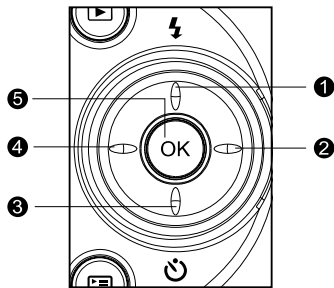
10. Lens

11. Self-timer LED

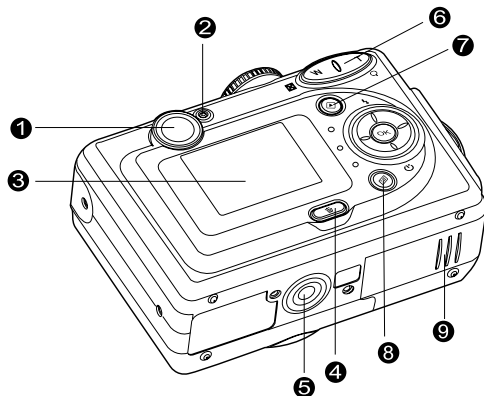
12. Microphone

Rear View

1. ▲ Arrow button (Up)
- ⚡ Flash button
2. ► Arrow button (Right)
3. ▼ Arrow button (Down)
- ⏸ Self-timer button
4. ◀ Arrow button (Left)
5. **OK** OK button(Display On/Off)

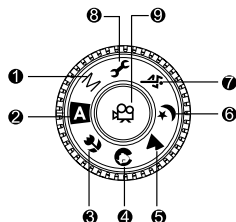


1. Viewfinder
2. LED indicator
3. LCD monitor
4. 🗑 Delete button
5. Tripod socket



6. **T** Optical Zoom (Telephoto)
⌵ Digital zoom button
- W** Optical Zoom (Wide)
🖼 Thumbnail button
7. ▶ Playback button
8. ☰ Menu button
9. Battery/SD card cover

Mode Dial



	Mode	Description
1.	M	Manual Mode This manual mode lets you adjust additional image settings (Color, Saturation, Sharpness)
2.	A	Automatic Mode Select this mode for "point-and-shoot" action.
3.		Macro Mode Select this mode to shoot a close-up of a subject.
4.		Portrait Mode Select this mode to make people stand out with the background out-of-focus.
5.		Landscape Mode This mode is used when the distance to the subject is greater than 6 feet.
6.		Night Scene Mode Select this mode to capture images of people against a dark or night-time background.
7.		Sports Mode Select this mode to capture fast-moving subjects.
8.		Setup Mode Select this mode to adjust the camera settings.
9.		Movie Mode Select this mode to record video (movie) clips.

LED Indicators

Indicator	Status	Description/Activity	Sound
LED indicator	Solid red	The ViviCam 3935 is powering up	No
LED indicator	Solid green	The ViviCam 3935 is powered and ready	Yes *(1)
LED indicator	Blinking red	Camera error	Yes *(3)
LED indicator	Blinking red	The flash is Charging	No
LED indicator	Blinking green	Image is being recorded to the memory card	No
LED indicator	Blinking green	USB communication/transfer in progress	No
LED indicator	Solid green	The ViviCam 3935 is ready to record images (or movies)	Yes *(1)
Self-timer indicator	Blinking red	The self-timer function is activated	Yes *(1)
----	----	Error message	Yes *(3)
----	----	Valid button event	Yes *(1)

- (1) The camera sounds one beep.
- (3) The camera sounds three beeps.

LCD Monitor Information

These indicators are displayed when recording still images



1. Scene mode

[M] Manual mode

[A] Automatic mode

[🌸] Macro mode

[👤] Portrait mode

[🏔️] Landscape mode

[🌙] Night Scene mode

[🏊] Sports mode

2. Image size (resolution)

[5M] 2560 x 1920 pixels

[2M] 1600 x 1200 pixels

[1.2M] 1280 x 960 pixels

[0.3M] 640 x 480 pixels

3. Image quality

[★★★] Fine

[★★] Normal

[★] Economy




4. Saturation

[📺] High

[📺] Medium






[📺] Low

5. Sharpness

- [] High
- [] Medium
- [] Low

6. White balance





Automatic

- [] Daylight
- [] Cloudy
- [] Sunset
- [] Tungsten
- [] Fluorescent




7. ISO

Automatic
100
200
400

8. Flash mode

- [] Fill flash (on)
- [] Flash off
- [] Automatic flash
- [] Automatic with Red-eye reduction

9. Color




- [] Full color
- [] Black & White
- [] Sepia

10. Card indicator

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11. Remaining images

12. [] Adapter indicator Battery level

- [] Full battery power
- [] Medium battery power
- [] Virtually no battery power

13. EV compensation

These indicators are displayed when recording video clips:

1. Movie mode
2. Recording indicator
3. Video counter
4. Battery level/ Adapter indicator
5. Card indicator.



These indicators are displayed when playing images back:

1. Reverse arrow
2. Card indicator
3. Forward arrow
4. Current image/ total number of images
5. Battery level/ Adapter indicator



These indicators are displayed when playing video clips back:

1. Reverse arrow
2. Battery level/ Adapter indicator
3. Card indicator
4. Forward arrow
5. Current image/ total number of images
6. Movie mode
7. Recorded time

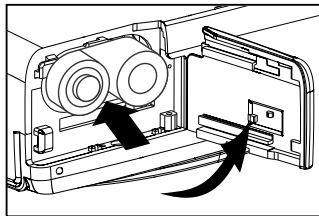


GETTING STARTED

You can use 2 AA size batteries (Alkaline or Ni-MH), one CR-V3, or an AC power adapter (3.0V/ 2.5A) to power the ViviCam 3935. Battery power is convenient for capturing images or recording video clips while an AC power adapter is useful when transferring images to your computer.

Installing the Batteries

1. Make sure the camera is off.
2. Slide the battery/SD memory card cover.
3. Insert the batteries, noting correct polarity (+ and -).
4. Close the battery/SD memory card cover firmly.

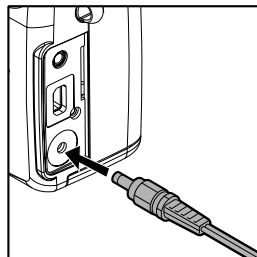


NOTE

- If you won't be using the batteries for an extended period of time, remove them from the camera to prevent the leakage or corrosion.
- Never use manganese batteries.
- Avoid using the batteries in extremely cold environments as low temperatures may shorten the battery life and reduce the camera performance.

Using an AC Power Adapter (Optional Accessory)

1. Make sure the camera is turned off.
2. Open the ports cover and connect one end of the AC power adapter to the jack labeled "DC IN".
3. Connect the other end to an electrical outlet.



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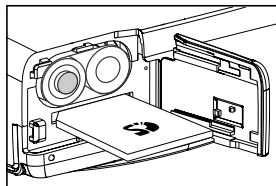
NOTE

- Make sure to use only the AC power adapter specified for the camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- To prevent unexpected auto power off resulting from no battery power left during the process of transferring your images to the computer, use the AC power adapter as a power supply.

Loading an SD Memory Card (Optional Accessory)

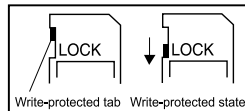
The ViviCam 3935 comes with internal memory, allowing you to store images and video clips in the camera. However, you can expand the memory capacity by using an SD memory card so that you can store additional images and video clips.

1. Make sure the camera is turned off.
2. Slide the battery/SD memory card cover .
3. Insert an SD memory card.
 - If the card cannot be inserted, check the orientation.
4. Close the battery/SD card cover.
 - To remove the SD memory card, make sure the camera is off. Open the battery/SD card cover. Press lightly on the edge of the memory card and it will eject.



NOTE

- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write-protected tab (on the side of the SD memory card) to "LOCK".
- To save, edit or erase data on an SD memory card, you must unlock the card.

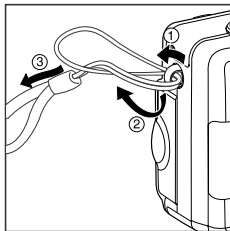


Attaching the Camera Strap

To prevent accidentally dropping your camera, always use the camera strap.

■ Attach the camera strap as follows:

1. Thread the small loop of the strap through the strap eyelet on the camera.
2. Pull the large loop through the small loop until the strap is firmly secured.

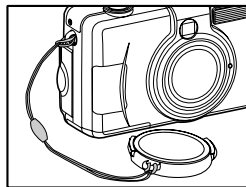


Attaching the Lens Strap

To prevent losing your lens cap, always use the lens strap.

■ Attach the lens strap as follows:

1. Pass the end of the lens strap through the strap eyelet on the lens cap.
 2. Pass the end through the lens strap and pull.
- * Attach the end on the other side of the lens strap to the strap eyelet on the camera in the same way.



NOTE

- To prevent the scratch and avoid dust or stains on the lens, be sure to put on the lens cap when the camera is not in use.

Choosing the OSD Language

When you turn on the ViviCam 3935 for the first time, the language setting screen appears, prompting you to choose a language for displayed information and the LCD monitor. Follow the steps below to set the OSD (On-Screen Display) language.

1. Select a language that you prefer by using the ▲ / ▼ button.
2. Press the **OK** button to confirm.



NOTE

- The language setting will be retained even if the camera is turned off.

Setting the Date and the Time

The Date/Time screen will be presented if/when:

- The camera is turned on for the first time.
- The camera is turned on after removing the batteries/AC power adapter or replacing the batteries.

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When the date and time setting screen appears, follow the steps to set the correct date and time. You may skip this procedure by pressing **Exit**.

1. Enter the values of date and time by using ▲ / ▼ button.

- To increase a value, press the ▲ button.

- To decrease a value, press the ▼ button.

2. Press **OK** after all fields are set.

Date & Time	
Date:	01 / 01 / 2003
Time:	12 : 00 pm
Mode:	MM/DD/YYYY 12hr
Exit	






Setting the Image Resolution and Quality

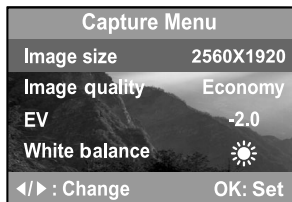
Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your image. These settings affect the number of images that can be stored in the internal memory, or on an SD memory card.

Higher resolution and higher quality images offer the best photographic results but take up more memory space. High resolution/quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

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To change the image resolution or image quality, perform the steps below:

1. Slide the **POWER** switch and power on the camera.
2. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Press the  button on the rear side of the camera.
4. Select Image size or Image quality by using the  /  button.
5. Press  /  to set the image size or image quality you prefer.
6. Press **OK** button to confirm.



The table below shows the approximate number of shots that you can capture at each setting based on internal memory or an 8MB/16MB/32MB/128MB/256MB SD memory card.

Resolution	Quality	Compression Ratio	Internal Memory	8MB SD Memory Card	16MB SD Memory Card	32MB SD Memory Card	64MB SD Memory Card	128MB SD Memory Card	256MB SD Memory Card
2560x1920 5M	Fine	8:1	5	4	8	15	35	60	140
	Normal	12:1	7	6	13	25	50	90	210
	Economy	16:1	10	8	17	35	70	125	280
1600x1200 2M	Fine	8:1	12	7	14	35	75	155	320
	Normal	12:1	18	11	25	55	115	240	480
	Economy	16:1	27	15	34	72	155	310	640
1280x960 1.2M	Fine	8:1	20	12	25	55	120	240	500
	Normal	12:1	30	18	38	85	180	370	740
	Economy	16:1	40	25	52	110	240	500	1000
640x480 0.3M	Fine	8:1	60	32	68	150	310	650	1350
	Normal	12:1	90	50	105	225	460	1000	2000
	Economy	16:1	120	66	140	300	620	1300	2650

- The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

CAPTURING IMAGES

Basic Settings

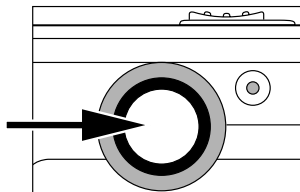
Your ViviCam 3935 is equipped with both an optical viewfinder and a full color TFT LCD display to compose images. Capturing images using the optical viewfinder will conserve battery power. If your batteries are low, it is recommended to compose images using the optical viewfinder. The LCD monitor can help you accurately compose images and examine all the details, but using it will also consume more battery power. However, always use the LCD monitor for **MACRO** shots to avoid parallax effects.

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Viewfinder

Using the viewfinder helps you to compose images and frame the subject.

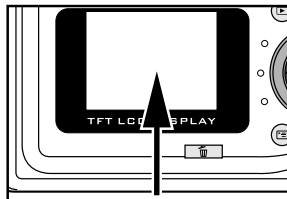
1. Turn the camera on by sliding the **POWER** switch.
2. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Compose your image in the viewfinder.
4. Press the shutter button.
 - The LED indicator blinks green while the camera is processing a captured image.




LCD Monitor

The LCD monitor can help you to compose an image while capturing images, to replay recorded images/video clips, or to adjust menu settings. The mode icons, text and numbers that are displayed on the LCD monitor vary according to the current settings.

1. Turn the camera on by sliding the **POWER** switch.
2. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Compose your shot in the LCD monitor.
4. Press the shutter button.
 - The LED indicator blinks green while the camera is processing a captured image.



NOTE

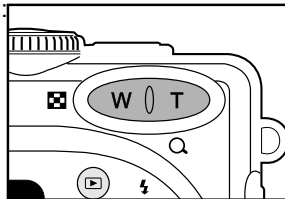
- In Capture mode, each press of the **OK** button switches the display state as LCD On/ Non-Information Display/ LCD Off.
- The LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
- Using the LCD monitor for an extended period of time will decrease the number of images you can capture. To conserve battery power and increase the number of shots you can capture, it is recommended to turn the LCD monitor off and use the viewfinder instead.
- Always use the LCD monitor for **MACRO** shots.
- In [] Movie mode, the LCD monitor cannot be turned off.

Zoom Functions

The optical zoom lens moves during zoom photography. Zoom photography allows you to capture telephoto and wide-angle shots. By using the digital zoom, images can be brought even closer by pressing the **(T)** telephoto button. Objects may be made to appear smaller and farther away by pressing the **(W)** wide-angle button.

To capture a digitally zoomed image, perform the following steps:


1. Turn the camera on by sliding the **POWER** switch.
2. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Press **T** button to activate the zoom function.
 - Digital zoom's range is from 1.25x to 4x (within 11 stages: 1.25x, 1.5x, 1.67x, 1.75x, 2x, 2.25x, 2.5x, 3x, 3.33x, 3.5x and 4x).
 - To exit the digital zoom, press continuously the **W** button and return to the optical zoom status.
4. Press the shutter button to capture a "zoomed" image.



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NOTE

- Digital zoom can only be functioned with the maximum image size (resolution) of 2560 x 1920 pixels. Digital zoom is not available with other image size (resolution).
- In Capture mode, the zoom control is always active to zoom the lens between wide-angle and telephoto shots.
- Digital zoom cannot be used in [] Movie mode.

Self-Timer

By using the self-timer you can join into the scene when capturing group shots. You can capture images with the self-timer in any shooting mode (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).

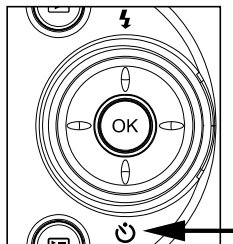
The self-timer duration can be adjusted as 10 seconds or 5 seconds. The mode appears cyclically as [10 s]->[5 s]->[Display Off]. After the self-timer is set, the shutter automatically releases after 10 or 5 seconds. When the self-timer is set as 10 seconds or 5 seconds, the self-timer lamp starts blinking relatively slow for the first 7 or the first 2 seconds and then blinking rapidly for the last 3 seconds.

1. Secure the camera to a tripod or place it on a stable surface.
2. Turn the camera on by sliding the **POWER** switch.
3. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
4. Compose the image.
5. Press the  button.




■ The count down is displayed on the LCD monitor.

6. Press the shutter button.

■ To cancel the self-timer at any time, press the self-timer button to disrupt the sequence.




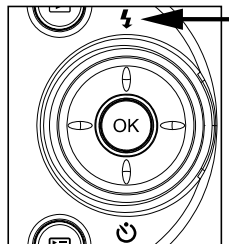
NOTE

- In Capture mode, pressing the  button will set self-timer ON.
- After a self-timed shot is captured, the self-timer mode is turned OFF.
- In self-timer mode, rotating the mode dial will change into Capture mode.
- In self-timer mode, pressing [] or [] will change into Capture mode.


Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can capture an image using a flash mode suitable to your circumstances. If you change the flash mode, the camera will retain that setting even if the camera is turned off.





1. Turn the camera on by sliding the **POWER** switch.
2. Set the mode dial base on the desired scenery (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Press the  button located on the rear side of the camera repeatedly until your desired flash mode appears on the LCD monitor.
4. Compose the image and press the shutter button.



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The ViviCam 3935 has four flash modes: Automatic Flash (default), Automatic with Red-Eye Reduction, Fill Flash (on), and Flash Off. The modes appear cyclically when you press the  button on the rear side of the camera.

The table below will help to choose the appropriate flash mode:

Flash Modes	
[] Automatic Flash	The flash fires automatically according to the ambient lighting conditions. Select this mode for general photography.
[] Automatic with Red-Eye Reduction	The flash emits a precursor-flash before the main flash fires. This causes the pupil in the human eye to constrict, reducing the red-eye phenomenon. Select this mode when capturing images of people and animals in low-light conditions.
[] Fill Flash (on)	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (backlighting) and deep shadows.
[] Flash Off	The flash will not fire. Select this mode when capturing images in a place where flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.








NOTE

- In [] Macro mode, the flash is disabled.
- In [] Night Scene mode, flash photography is set to Fill Flash (on).

Photography Modes

Your ViviCam 3935 offers you choices of seven "scenes modes", which include Manual, Automatic, Macro, Portrait, Landscape, Night Scene and Sports modes. In these modes, your camera is optimized for the selected subject-type, sparing you the burden of making individual settings and adjustments, one-by-one.

Scene Modes	
[M] Manual Mode	This mode is used to precisely adjust the camera settings and controls.
[A] Automatic Mode	This mode is used for complete automatic camera operation.
[] Macro Mode	This mode is used to shoot a close-up of the subject, such as flowers or insects.
[] Portrait Mode	This mode is used to make the main subject stand out precisely while the background details are out-of-focus.
[] Landscape Mode	This mode is used to enhance color, saturation shown in sky-scapes, mountains, forests and other landscape scenery, or to capture portraits that feature a landmark in the background.
[] Night Scene Mode	This mode is used to capture subjects against a dusk or night-time background.
[] Sports Mode	This mode is used to capture fast moving subjects.








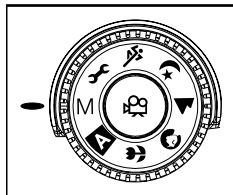
NOTE

- In Capture mode, pressing the **OK** button changes the LCD display state as LCD On/ Non-Information Display/ LCD Off.

Manual Mode

You can capture images with precise control by manually adjusting conditions such as image size, image quality, EV compensation, white balance, ISO speed, color, saturation, and sharpness. For more information, refer to the following section of this manual.

1. Turn the camera on by sliding the **POWER** switch.
2. Rotate the mode dial to **[M]**.
3. Press the  Menu button.
4. To set Image size, Image quality, EV, White balance, ISO, Color, Saturation, and Sharpness you may press  /  button or press  /  button and then the **OK** button to enter the sub-menu and choose the setting with your preference. After the settings are all set, press the **OK** button to confirm.
5. Compose the image.
6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image.



Aperture Priority

In **[M]** Manual mode, you can manually set the aperture priority and shutter speed to achieve a particular effect.

In **[M]** Manual mode, images can be captured with the priority given to the aperture setting. The shutter speed is automatically set according to the aperture.

In **[M]** Manual mode, press **▶** button to adjust the aperture.



NOTE

- The aperture range is from F2.8/F3.2/F3.6/F4.0/F4.5/F5.0/F5.6/F6.3/F7.1 to F8.0.

Shutter Speed Priority

In **[M]** Manual mode, images can be captured with the priority given to the shutter speed. The aperture is automatically set according to the shutter speed. If you set a fast shutter speed, you can capture images of moving subjects that look they are still. If you set a slow shutter speed, you can capture images that make you feel as if the subject is rushing by.

In **[M]** Manual mode, press **◀** button to adjust shutter speed.








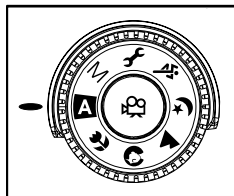
NOTE

- The shutter speed choices are from 1/5, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, 1/1000 to 1/2000.

Automatic Mode

In this mode the camera adjusts the majority of the settings. Simply point the camera at the subject and then shoot.

1. Turn the camera on by sliding the **POWER** switch.
2. Rotate the mode dial to [**A**].
3. Press the  Menu button.
4. To set Image size, Image quality, EV, White balance and ISO you may press  /  button or press  /  button and then the **OK** button to enter the sub-menu and choose the setting with you preference. After the settings are all set, press the **OK** button to confirm.
5. Compose the image.
6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image.









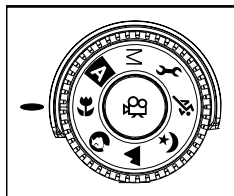
NOTE

- In [A] Automatic mode, Color, Saturation, and Sharpness cannot be adjusted manually.

Macro Mode




Use macro mode to capture a close-up of a subject, such as flowers or insects. The effective range of focus is 8 to 24 inches in macro mode.

1. Turn the camera on by sliding the **POWER** switch.
2. Rotate the mode dial to [].
3. Press the  Menu button.
4. To set Image size, Image quality, EV, White balance, Color, Saturation and Sharpness you may press  /  button or press  /  button and then the **OK** button to enter the sub-menu and choose the setting with your preference. After the settings are all set, press the **OK** button to confirm.
5. Compose the image.
6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image




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NOTE

- When shooting a close-up in [] Macro mode, use the image LCD monitor to compose your shot, avoiding the off-center parallax phenomenon.
- After a macro shot is captured DO NOT FORGET to reset the lens to the normal status.
- In [] Macro mode, the flash is disabled.
- In [] Macro mode, ISO speed cannot be adjusted.

Portrait Mode

The [] Portrait mode helps you to compose portraits in which the main subject stands out sharply and clearly against indistinct background's details. The effective range of focus is three feet or greater.

2. Rotate the mode dial to [].

4. To set Image size, Image quality, EV, White balance, Color, Saturation and Sharpness you may press ◀ / ▶ button or press ▲ / ▼ button and then the **OK** button to enter the sub-menu and choose the setting with you preference. After the settings are all set, press the **OK** button to confirm.

5. Compose the image.

6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image.




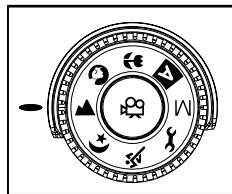
NOTE

- In [👤] Portrait mode, ISO speed settings cannot be adjusted.
- In [👤] Portrait mode, in a dusk or night-time background, the Flash mode is set to automatic with Red-Eye Reduction.

Landscape Mode

The [**▲**] Landscape mode helps you to capture vivid and expansive landscape images by enhancing the image's color and saturation. The [**▲**] Landscape mode is used when the distance to the subject is 6 feet or greater.


1. Turn the camera on by sliding the **POWER** switch.
2. Rotate the mode dial to [**▲**].
3. Press the  Menu button.
4. To set Image size, Image quality, EV, White balance, Color, Saturation and Sharpness you may press **◀ / ▶** button or press **▲ / ▼** button and then the **OK** button to enter the sub-menu and choose the setting with your preference. After the settings are all set, press the **OK** button to confirm.
5. Compose the image.
6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image.





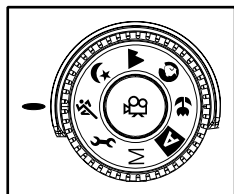
NOTE

- In [**▲**] Landscape mode, ISO speed cannot be set and Flash is disabled (Off).

Sports Mode

[] Sports mode helps you to capture fast-moving objects.

1. Turn the camera on by sliding the **POWER** switch.
2. Rotate the mode dial to [].
3. Press the  Menu button.
4. To set Image size, Image quality, EV, White balance, Color, Saturation and Sharpness you may press ◀ / ▶ button or press ▲ / ▼ button and then the **OK** button to enter the sub-menu and choose the setting with your preference. After the settings are all set, press the **OK** button to confirm.
5. Compose the image.
6. Press the shutter button down halfway to focus the image, then press it fully down to capture the image.




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NOTE

- In [] Sports mode, ISO speed cannot be adjusted.


PLAYBACK MODE

In  Playback mode, you can view, magnify, delete, protect images, play video clips, or run a slide show. Playback mode also provides a thumbnail image display, allowing you to quickly scan for the image you want. You can also change the size (resolution) or quality of images which is handy when you utilize an image as a mail attachment, for example.


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NOTE

- In Playback mode, pressing the  Playback button or rotating the mode dial will change into Capture mode.
- In Playback mode, pressing the shutter button will change into Capture mode and automatically capture the current image.


Viewing Images

You may view your recorded images on the LCD display by pressing the  button.

1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button, then press the menu button and the playback menu displays on the screen.
3. View and select your recorded images by using the  /  button.
 - To view the previous image, press the  button.
 - To view the next image, press the  button.
 - When playing back images you may also display image information. Press the **OK** button, and detailed image information is displayed.
 - The recorded time appears on the LCD for movie clips.






NOTE

- If there are no images in memory (or memory card), "No Image" will appear on the LCD monitor.
- You can also view your images on a TV. Connect one end of the video cable to the video out jack of the camera and connect the other end to the video input of your input of your TV. Press the  button and then turn on TV and camera.

Zoom Playback

While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details.







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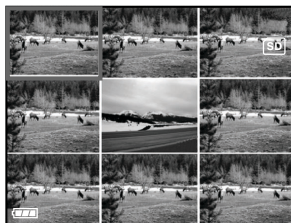
1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button.
3. View and select your recorded images by using the  /  button.
4. To zoom an image press the [T] button.
 - Digital zoom in the playback mode can be up to 6x.
5. To return to the regular display press the [W] button.



Displaying Thumbnail Images

This function allows you to view up to nine thumbnail images on the LCD monitor simultaneously so that you can quickly scan for a particular image.



1. Turn the camera on by sliding the **POWER** switch.
2. Press the button  and then the  button.
 - Nine thumbnail images appear on the LCD monitor (assuming there are nine or more recorded images in memory).
 - To view a full-size image select an image using the  /   /  Button and press the telephoto [**T**] or **OK** button.



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NOTE

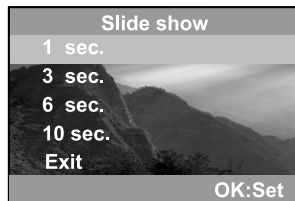
- While displaying thumbnail images, pressing the  delete button will delete the currently selected image.
- While displaying thumbnail images, pressing the  playback button will switch the camera to Capture mode, ready to capture the next shot.

Slide Show Display

The slide show function enables you to play your images back automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and video clips for presentations.

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1. Turn the camera on by sliding the **POWER** switch.
2. Press the  Playback button.
3. Then press the  Menu button and select **Slide show** by using **▲ / ▼** button.
4. Press the **OK** button and to set the playback interval by using **▲ / ▼** button.
5. And then press the **OK** button again to confirm as your preference.
 - The slide show starts, displaying your images on the LCD monitor.
 - To stop the slide show display, press the **OK** button or rotate the mode dial.







NOTE

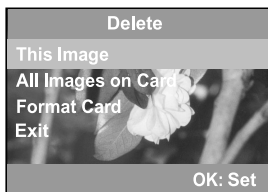
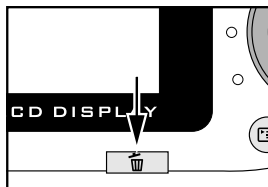
- You can adjust the slide show display interval within the range of 1 to 10 seconds. The slide show display defaults to 1 second interval.

Deleting Images/Video Clips

To delete one image or video clip at a time, use the  button on the rear side of the camera. To delete all images or video clips at once, use the delete function in Playback menu.





■ Delete One Image/Video Clip at a Time

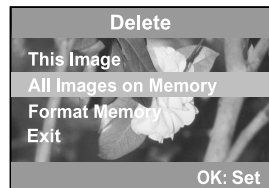
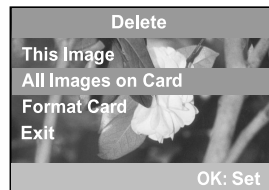
1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button on the rear side of the camera to see captured images and video clips.
3. Select the unwanted image/video clip by using the  /  button and then press the  button.
4. Continue the deletion if necessary.
 - If all images are deleted, [No Image] will be displayed.
5. To exit this screen, rotate the mode dial.



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■ Delete All Images/Video Clips at Once

1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button on the rear side of the camera to see captured images and video clips.
3. Then press the  button.
4. Select **Delete** by using the **▲ / ▼** button.
5. Press the **OK** button and then select [All images on card] by using the **▲ / ▼** button.
6. Press the **OK** button again to confirm.
 - After that, [No Image] is displayed. To exit the screen, press the  playback button,  menu button, or rotate the mode dial. The camera is ready to capture the next image or video clip.





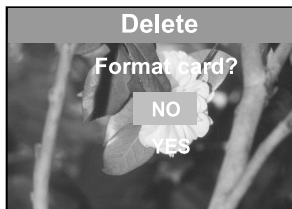
NOTE

- The OSD message for deleting all images or video clips will display as either "All Images on Card" or "All Images on Memory" depends upon whether a memory card is present, or not.
- To delete images or video clips stored in internal memory follow these steps without an SD memory card in-place.

Formatting an SD card or Internal Memory

Using this option you may format internal memory or an SD memory card.

1. Turn the camera on by sliding the **POWER** switch.
2. Press the [] Playback button on the rear side of the camera.
3. Then press the [] menu button.
4. Select **Delete** by using **▲** / **▼** button and enter the submenu.
5. Press **▲** / **▼** button to select Format.
6. If you want to format the internal memory/ SD card choose [Yes] by pressing **▲** / **▼** button.
 - If you want to cancel the action, select [No].
 - [No image] will pop up after the internal memory or the SD memory card is been formatted.



NOTE









- The OSD message for formatting "Card" or "Memory" depends upon whether a memory card is present, or not.
- To format internal memory follow these steps without an SD memory card in-place.
- Formatting will erase all information (even unrelated data) from the memory/card.

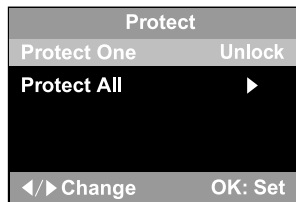
Protecting Images/ Video Clips

You can protect images/video clips from being accidentally erased using the protect function in the Playback menu.





Protecting one image/video clip or all images/video clips

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1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button and then the  Menu button.
3. Select [Protect One] or [Protect All] by pressing  /  button.
4. Select [Lock] by pressing  /  button and then press **OK**.
 - To protect [one] image, you may also press  /  button to set the setting.
 - Once the image/video clip is protected, the protection icon will display on the protected image/video clip.






Removing protection from one image/ video clip or all images/ video clips

1. Perform the steps above 1 to 3 in "Protecting one image/video clip or all images/video clips".
2. Select [Unlock] by pressing the  /  button and then press **OK**.
 - To unlock [one] image, you may also press  /  button to set the setting.

MOVIE MODE




Recording Video Clips

The movie mode allows you to record video clips at a resolution of 320 x 240 pixels. Voice can also be recorded using the small microphone on the top of the camera.

1. Turn the camera on by sliding the **POWER** switch.
2. Press (and hold briefly) the  button.
 - The record time, REC icon, card indicator, and battery level will display on the LCD monitor.
3. You can start recording the video clip simply by pressing the  button.
 - To stop the recording, press the  button.







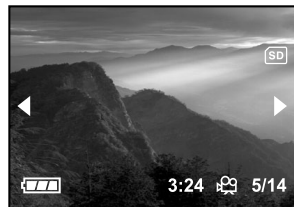
NOTE

- It is not possible to zoom in or zoom out while in the [] Movie mode.
- In [] Movie mode, image size (resolution) and the self-timer function cannot be set or activated.
- In [] Movie mode, the flash mode is set to OFF.
- You can set image quality in the Capture menu before recording a video clip.

Viewing Video Clips

To view a video clip, follow these steps:

1. Turn the camera on by sliding the **POWER** switch.
2. Press the  button.
3. Select a video clip using the  /  button.
 - While viewing a video clip the image number and duration will be displayed.
 - To stop or start playback, press the **OK** button.
 - To exit playback, press the  playback button or rotate the mode dial. Then the camera will be ready to capture the next shot or video clip.



NOTE

- The zoom function cannot be activated while playing back a video clip.
- When playing back video clips on a TV, recorded voice will be also be played.

TRANSFERRING IMAGES AND VIDEO CLIPS TO YOUR COMPUTER

You can share recorded images/ video clips with your family or friends via e-mail or post them on the Web. Before doing those things, you need to connect the ViviCam 3935 to your computer by using the USB cable and then transfer the images/video clips.

To transfer images/video clips from the ViviCam 3935 to your computer, follow the steps below:

Step 1: Instal the USB driver (only for Windows 98)

Step 2: Connecting the ViviCam 3935 to Your Computer

Step 3: Downloading Images/Video Clips

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	System Requirements (Windows)	System Requirements (Macintosh)
CPU	Pentium 166 MHz processor or higher	PowerPC G3/G4
OS	Windows 98/98SE/Me/2000/XP	OS 9.0 or higher
Memory	128MB	128MB
Free Space on Hard Disk	100MB hard disk space	100MB hard disk space
Required Devices	CD-ROM Drive, Available USB Port	CD-ROM Drive, Available USB Port

Step 1: Installing the USB Driver on a Windows 98 PC

The USB driver on the supplied CD-ROM is exclusively for Windows 98. Installing the USB driver on computers running **Windows 2000/Me/XP** is not necessary.

1. Insert the CD-ROM packaged with the ViviCam 3935 into the CD-ROM drive. The welcome screen appears.
2. Click "Install USB Driver". Follow the on-screen instructions to complete the installation. After the USB driver installation is complete, restart your computer.

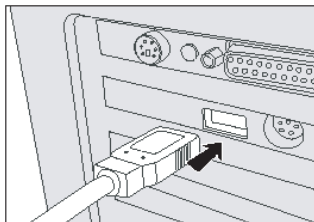


Installing the USB Driver on a Macintosh Computer

For Mac OS 9.0 or higher version, the computer will automatically recognize the ViviCam 3935 and load its own USB drivers.

Step 2: Connecting the ViviCam 3935 to Your Computer

1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB connector on the camera.
3. Turn the camera on. Your computers operating system will recognize the camera.
4. From the Windows desktop double click on "My Computer"
5. Look for a new "removable disk" icon. This "removable disk" is actually the memory (or memory card) in your camera. Typically, the camera will be assigned drive letter "e" or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders such as "100CAMEA"
8. Your recorded images and video clips will be inside these folders
9. Copy & Paste or Drag-N-Drop image and video files to a folder on your computer



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Mac users:double-click the "unlabeled" disk drive icon on our desktop. iPhoto may automatically launch. The volume label will vary depending upon whether you use internal camera memory, or a memory card.

Step 3: Downloading Images/Video Clips

When the ViviCam 3935 is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the "removable disk" ("untitled" disk on a Macintosh) to your computer hard drive as described in the prior section.

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For Computers Running Windows

Open the "removable disk" and subsequent folders by double clicking on them. Double click on the folder. Your images are inside these folder(s). Select the images that you want, then choose "Copy" from the "Edit" menu. Open the destination location (folder) and choose "Paste" from the "Edit" menu. You may also drag and drop image files from the camera to a desired location.

For Computers Running Mac OS

Open the "untitled" disk window and the hard disk or the destination location. Drag and drop from the camera disk to the desired destination.



NOTE

- It is recommended that you use the AC power adapter as a power supply for the camera while transferring your images and video clips from the camera to your computer to avoid the camera maybe cut off unexpectedly when the batteries run out.
- Memory card users may prefer to use a memory card reader (highly recommended). Memory card readers offer advantages in terms of convenience, speed, and cost-savings. While connected to your computer the batteries in your camera will be continue to be used. A card reader, which has no batteries and uses USB power from your computer, will save considerably on batteries.

INSTALLING PHOTOSUITE

PhotoSuite is a very user-friendly image-editing program. With PhotoSuite, you can retouch, compose and organize your images. It contains a variety of templates, such as photo frames, birthday cards, calendars and more. Get your images ready and go explore this amazing program.

To Install PhotoSuite

1. Insert the CD-ROM packaged with the ViviCam 3935 into the CD-ROM drive. The welcome screen appears.
2. Click "Install PhotoSuite". Follow the on-screen instructions to complete the installation.



NOTE

- For information on how to use PhotoSuite to edit and retouch your recorded images, please refer to its online help.
- For Windows 2000/XP users, make sure to install and use the PhotoSuite while logged in as a user with an Administrator account.
- PhotoSuite is not supported on the Mac.iPhoto or iPhoto2 is recommended.

INSTALLING PHOTOVISTA

PhotoVista is an easy-to-use program that lets you create spectacular 360° panoramic images in a snap. When you view these panoramas, you get the experience of being totally immersed in a realistic environment. PhotoVista's powerful engine quickly and automatically stitches images together, and its intuitive interface will let even a novice get great results in minutes.

To Install PhotoVista:

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1. Insert the CD-ROM packaged with the ViviCam 3935 into the CD-ROM drive. The welcome screen appears.
2. Click "Install PhotoVista". Follow the on-screen instructions to complete the installation.



NOTE

- For information on how to use PhotoVista to create spectacular 360° panoramic images, please refer to its online help.
- For Windows 2000/XP users, make sure to install and use the PhotoVista while logged in as a user with an Administrator account.
- For Windows XP users which OS version does not include Service Pack 1 or higher, make be sure to link to http://www.java.com/en/download/windows_automatic.jsp first and download the Java Virtual Machine. For more detail information about Java, please refer to its on-line help at <http://java.sun.com/getjava/help.html>. After java software installation, you can start to install iSee Media Photovista Panorama. Hereunder is iSee Media Photovista Panorama System Requirements and Recommendations:
 - * Windows 95, Windows 98, Windows NT 4 (Service Pack 3 or higher)
 - * Windows 2000*, Windows ME*, Windows XP* (Service Pack 1 or higher)
- PhotoVista is not supported on the Mac

INSTALLING AROBAT READER

The CD-ROM includes a PDF (portable document format) copy of the user's manual. To view a PDF you must have Acrobat Reader installed in your computer. Acrobat Reader is included on the camera CD ROM. Using Acrobat Reader, you can read the user's manual and print sections of interest.

1. Insert the CD-ROM that came with the camera into the CD-ROM drive. The welcome screen appears.
2. Click **"Install Acrobat Reader"**.
Follow the on-screen instructions to complete the installation.



For Mac users:

1. Insert the CD-ROM that came with the camera into the CD-ROM drive.
2. Select and double-click "Acrobat Reader".
3. Select and double-click the language that you want.
4. Double-click "Reader Installer".
5. Follow the on-screen instructions to complete the installation.

USER'S MANUAL ON CD-ROM

A copy of the user's manual on is provided on the CD-ROM in PDF format. It is a backup copy of the printed manual. If you misplace the printed guide, you may print another copy from the CD-ROM. The only requirement for viewing the User Manual on the CD-ROM is that you have Acrobat Reader installed on your computer. Updates to this manual, and versions in other languages may be found on our website.

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1. Insert the CD-ROM that came with the camera into the CD-ROM drive. The welcome screen appears.
2. Click **"Install User's Manual"**. Follow the on-screen instructions to complete the installation.

Alternatively, browse the CD-ROM to find the PDF file.











For Mac users:

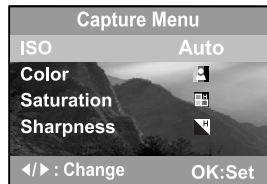
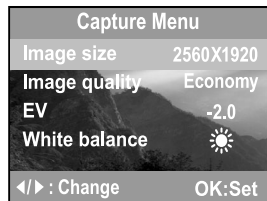
1. Insert the CD-ROM that came with the camera into the CD-ROM drive.
2. Select and double-click "Manual".
3. Select and double-click the language that you want.
4. Drag and drop the PDF file from the current location to the destination location.
5. View the user's manual by opening it.

MENU OPTIONS

Capture Menu

In the Capture menu, you can specify camera settings you would like to use such as resolution, image quality, EV compensation, white balance, ISO, color mode, saturation, and sharpness.

1. Turn the camera on by sliding the **POWER** switch.
2. Set the mode dial to the desired photography mode (Manual, Automatic, Macro, Portrait, Landscape, Night Scene or Sports).
3. Press the  button and then scroll through the options by pressing the  /  button.
4. To set Image size (resolution), Image quality, EV, White balance, ISO, Color, Saturation, or Sharpness you may press  /  button in the main menu or press  /  button and then the **OK** button to enter the sub-menu and choose the setting. After the settings are set, press the **OK** button to confirm.
5. To exit the Capture menu, press the  menu button again or rotate the mode dial.



NOTE

- Note that the menu options will change slightly depending upon which photography mode you have selected.

Image size

Refer to “Setting the Image Resolution and Quality” (p. 27).

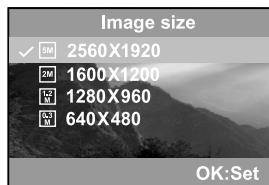
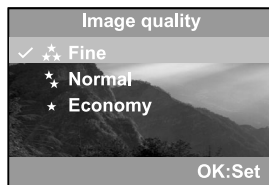


Image quality

Refer to “Setting the Image Resolution and Quality” (p. 27).



EV

Your ViviCam 3935 automatically adjusts the exposure for each scene. However, there may be situations where you wish to manually override the automatic determination of the camera and under- or over- expose the image.

This is called EV compensation. The EV compensation of your ViviCam 3935 can be adjusted from [-2.0 EV] to [+2.0 EV] in 0.5 EV steps.

To adjust EV, you may press ◀/▶ button in the main menu or press ▲/▼ button and then the **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the **OK** button to confirm.



Effective Subjects and Set Values

Positive (+) Compensation

- Copying of printed text (black characters on white paper)
- Backlit portraits
- Very bright scenes (such as snowfields) and highly reflective subjects
- Shots made up predominantly of sky

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Negative (-) Compensation

- Spot lighted subjects, particularly against dark backgrounds
- Imaging of printed text (white characters on black paper)
- Scenes with low reflectivity, such as shots of green or dark foliage

White balance

When the brightness and nature (source) of the light changes, our eyes adapt to the difference so that a white object remains white. Digital still cameras also see a white object as white by averaging the light around the subject. The ViviCam 3935 determines the white balance by averaging the various kinds of light that enters the lens. You may specify the white balance when capturing images under specific lighting conditions (Automatic, Daylight, Cloudy, Sunset, Tungsten and Fluorescent).

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To set white balance you may press ◀ / ▶ button in the main menu or press ▲ / ▼ button and then the **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the **OK** button to confirm.

[Auto]: automatically adjusting the white balance

[☀ Daylight]: for recording outdoors on a bright day

[☁ Cloudy]: recording for overcast, shaded, twilight or evening skies

[🌅 Sunset]: for recording under sunset.

[💡 Tungsten]: for recording under tungsten lighting condition

[💡 Fluorescent]: for recording under fluorescent lighting condition

ISO

Select the photographic ISO to be used for image capture. The higher the ISO sensitivity value, the greater the sensitivity, but the greater the noise. With a higher sensitivity selected, images can be captured with less light.

When recording in dark situations or recording a fast moving subject, use a higher ISO setting. However, when capturing high quality images, use a lower ISO setting.

To set ISO press ◀ / ▶ button in the main menu or press ▲ / ▼ button and then the **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the **OK** button to confirm.

- [Auto]: adjusts the ISO speed automatically
- [100]: equivalent to ISO 100
- [200]: high-sensitive photography, equivalent to ISO 200
- [400]: high-sensitive photography, equivalent to ISO 400



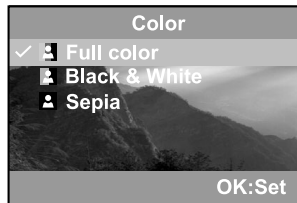
NOTE

- In [🌸] Macro mode, [👤] Portrait mode, [🌙] Night Scene mode, [🏔️] Landscape mode and [🏃] Sports mode, the ISO cannot be adjusted.

Color

To capture an image, the ViviCam 3935 offers three types of color (Full color/ Black & White/ Sepia) for you to match as your wish. Your images will demonstrate different impression by choosing different types of color.

To set Color (Full color/ Black & White/ Sepia) you may press ◀/ ▶ button in the main menu or press ▲/ ▼ button and then **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the OK button again to confirm.



NOTE

- The color setting is not possible in [A] Automatic mode.

Saturation

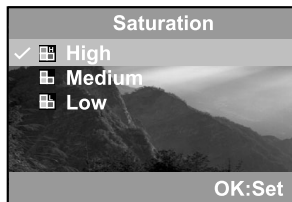
When Capturing an image, the ViviCam 3935 offers you three different degrees of color saturation (richness) (High/Medium/Low) to match your preference. Your images will give different impressions by choosing the different degrees of color saturation.

To set Saturation (High/ Medium/ Low) press ◀/▶ button in the main menu or press ▲/▼ button and then **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the OK button again to confirm.



NOTE

- The saturation setting is not available in [A] Automatic mode.



Sharpness

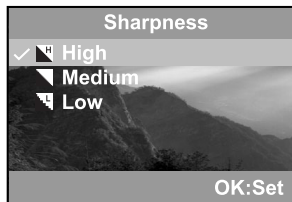
The ViviCam 3935 can automatically emphasize the borders between light and dark areas of the image. This will make the image's edges seem sharper. In some scenes you may prefer sharper edge detail. In other scenes you may prefer softer edge detail.

To set Sharpness (High/ Medium/ Low) press ◀/▶ button in the main menu or press ▲/▼ button and then **OK** button to enter the sub-menu and choose the setting. After the setting is set, press the **OK** button again to confirm.



NOTE

- The sharpness setting is not available in [A] Automatic mode.



Playback Menu

Using the Playback menu you can create an on-camera slide show. You may also delete images, and format your SD memory card or the internal memory.

To access the Playback menu, press the  button first and then press the  button. Scroll through the menu options by using the  /  button.



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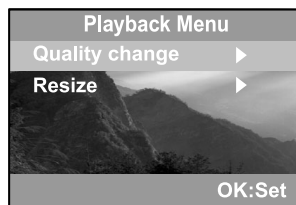
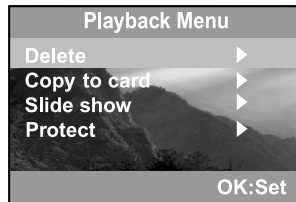
Delete

Refer to "Deleting Images/Video Clips" in Playback Mode.

Copy to card

This feature allows you to copy your images from the ViviCam 3935's internal memory to a memory card. However, you can only do this when the memory card is installed and the internal memory contains images.

To perform this function, first press the **OK** button. Then select [No] or [Yes] by using the  /  button and press **OK** button to confirm. Showing the copying process a bar displays and the screen indicates "Copy to card".



Slide show

Refer to "Slide Show Display" in Playback Mode.

Protect

Refer to "Protecting Images/Video Clips" in Playback Mode.

Quality change

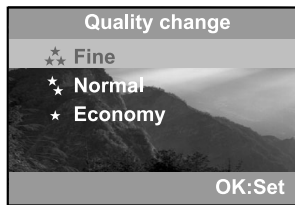
After an image has been captured you may change the quality of the captured image to Normal or Economy.

To perform this function press **OK** button to display the submenu. Select the image quality as you preference by pressing **▲/▼** button, then press the **OK** button.

Resize

After an image has been captured you may change (reduce) the resolution of the captured image to 1600X1200, 1280X960 or 640X480.

To perform this function press **OK** button to display the submenu. Select the image size as you preference by pressing **▲/▼** button, then press the **OK** button.



The Setup Menu

You can select your preferences for camera settings in Setup mode. Rotate the mode dial to Setup position and navigate to the option you wish to configure by using the ▲ / ▼ button.

E Date & time

Refer to "Setting the Date and the Time" in GETTING STARTED.

TV

You can view your images on a TV. Remember to select the video output standard according to where you are located.

To set this option, first press the **OK** button. Then use the ▲ / ▼ button to select your TV broadcast format [NTSC] or [PAL] and then press **OK** button to confirm.

[NTSC]: Select this format when located in the U.S.A., Canada, Japan, Korea, Taiwan, Central America, or Mexico.

[PAL]: Select this format when located in Australia, Belgium, China, Denmark, Finland, Germany, Great Britain, Holland, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand or Norway.

Setup	
Date & Time	▶
TV	NTSC
Beeper	Off
Language	English
OK:Set	

Setup	
Power off time	3 min.
Set to default	▶
◀/▶ Change OK:Set	

Beeper

The ViviCam 3935 makes a sound (beep) each time you press a camera button if this function is enabled. Press the **OK** button. Then select beeper [Louder], [Soft] or [Off] by using the **▲ / ▼** button and then **OK** button to confirm.

- The ViviCam 3935 defaults to [Off].

Language

This option allows you to select the language for the On-Screen Display (OSD) menus displayed on the LCD monitor. To set the language, refer to the section "Choosing the Language".

- The ViviCam 3935 defaults to **English**.



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Power off time

If the ViviCam 3935 remains unused for a specified period of time while the camera is powered on, the camera will switch to an "idle" mode, and eventually turn itself off to conserve the power.

Inactivity period (Batteries)	Inactivity period (AC Power Adapter)	Camera Status
60 seconds	60 seconds	Stay Idle
3 minutes	30 minutes	Shut Off

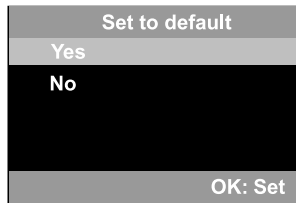
If the camera is idle, re-activate the camera by pressing any button or rotate the mode dial. If the camera has powered-off then you must turn the camera on again by sliding the **POWER** switch. To change the power saving interval when the camera is charging with batteries, press ◀/▶ button in the main menu or press ▲/▼ button and then **OK** button to enter the sub-menu and choose the setting. Then select the power-off interval you prefer by using the ▲/▼ button and then **OK** button to confirm.

[3 min], [5 min], [10 min], [30 min]

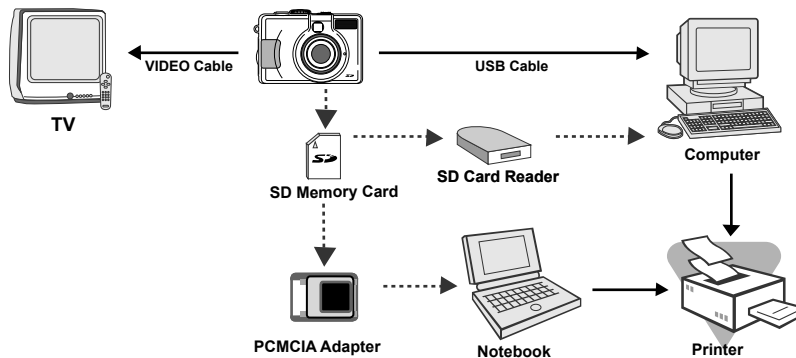
- The ViviCam 3935 defaults to [3 min].

Set to default

If you wish to restore all ViviCam 3935 settings to their original factory status, select this option and then press the **OK** button. Then select [Yes] or [No] by using the ▲/▼ button and then **OK** button to confirm.



CONNECTING THE VIVICAM 3935 TO OTHER DEVICES



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VIVICAM 3935 SPECIFICATIONS

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Item	Description
Image sensor	1/1.8" CCD
Effective pixels	5.0 Million
Image resolution	Still image: 2560 x 1920 1600 x 1200 1280 x 960 640 x 480 Movie image: 320 x 240
Image quality	Fine Normal Economy
Recording media	16 MB internal memory (14 MB available for image storage); SD memory card (optional)
Lens	Focal length: 7.8 mm to 23.4 mm Range of Focus: Wide: 8 inches (0.2 m) to infinity Tele: 16 inches (0.4 m) to infinity F-number: 2.77~4.9

LCD monitor	1.5" color TFT LCD
Self-timer	5-second delay 10-second delay
Zoom	Optical: 3X Digital: Capture mode: 4X/ Playback mode: 6X
Exposure compensation	Automatic; Manual: -2.0 ~ +2.0 EV (0.5 EV)
White balance	Automatic; Manual: Daylight, Cloudy, Sunset, Tungsten, Fluorescent
Compressed format	JPEG, MPEG 1 Level I for video clip
Standards	JPEG, EXIF 2.1, MPEG 1 Level I
Interface	DC IN jack, USB connector, VIDEO OUT jack (NTSC or PAL)
Operating environment	Operation: 0°C ~40°C, 15% ~90% humidity Storage: -20°C ~60°C, 10% ~95% humidity
Power	2 x AA Alkaline batteries (optional), 2 x AA Ni-MH batteries (optional), CR-V3 (optional), AC power adapter (3.0V/2.5A)(optional)
Tripod socket	Yes
Dimensions	3.7" x 2.5" x 1.4" (95 mm x 64 mm x 36 mm) (WxHxD)
Weight	Approx. 180g (without batteries and the SD memory card)

- Design and specifications are subject to change without notice.